

10/523141

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: CHUN et al. Confirmation No.: To be assigned  
Serial No.: To be assigned Art Unit: To be assigned  
Filed: January 31, 2005 Examiner: To be assigned  
For: APPARATUS FOR PRODUCING NANOFIBER UTILIZING ELECTROSPINNING AND NOZZLE PACK FOR THE APPARATUS Attorney Docket No.: 11281-065-999

## INFORMATION DISCLOSURE STATEMENT

Mail Stop \_\_\_\_\_  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure provisions of 37 C.F.R. §1.56, there is hereby provided certain information which the Examiner may consider material to the examination of the subject U.S. patent application. It is requested that the Examiner make this information of record if it is deemed material to the examination of the application.

## 1. Enclosures accompanying this Information Disclosure Statement are:

- 1a. ☒ A list of all patents, publications, applications, or other information submitted for consideration by the office.
- 1b. A legible copy of :  
☒ Each foreign patent;  
☐ Each publication or that portion which caused it to be listed on the PTO-1449;  
☐ For each cited pending U.S. application, the application specification including the claims, and any drawing of the application, or portion of the application which caused it to be listed on the PTO-1449 including any claims directed to that portion;  
☐ all other information or portion which caused it to be listed on the PTO-1449.
- 1c. ☐ An English language copy of search report(s) from a counterpart foreign application or PCT International Search Report.
- 1d. ☒ Explanations of relevancy (ATTACHMENT 1(d), hereto) or English language abstracts of the non-English language publications.
- 1e. ☒ In accordance with 1276 OG 55, since this application was filed after June 30, 2003, this Information Disclosure Statement is filed without copies of References, which are U.S. patent documents, U.S. patent applications filed after

June 30, 2003 and international applications that have entered the national stage under 35 U.S.C. § 371 after June 30, 2003.

2. ☒ This Information Disclosure Statement is filed under 37 C.F.R. §1.97(b):
- ☐ Within three months of the filing date of a national application other than a continued prosecution application under §1.53(d);
  - ☒ Within three months of the date of entry of the national stage as set forth in §1.491 in an international application;
  - ☐ Before the mailing of the first Office action on the merits;
  - ☐ Before the mailing of a first Office action after the filing of a request for continued examination under §1.114.
3. ☐ This Information Disclosure Statement is filed under 37 C.F.R. §1.97(c) after the period specified in 37 C.F.R. §1.97(b), but before the mailing date of any of a final action under 37 C.F.R. §1.113, a notice of allowance under 37 C.F.R. §1.311 or an action that otherwise closes prosecution in the application.

*(Check either Item 3a or 3b)*

- 3a. ☐ The Certification Statement in Item 5 below is applicable. Accordingly, no fee is required.
- 3b. ☐ The \$180.00 fee set forth in 37 C.F.R. §1.17(p) in accordance with 37 C.F.R. §1.97(c) is:
- ☐ enclosed
  - ☐ to be charged to Jones Day Deposit Account No. 50-3013.

*(Item 3b to be checked if any reference known for more than 3 months)*

4. ☐ This Information Disclosure Statement is filed under 37 C.F.R. §1.97(d) after the period specified in 37 C.F.R. §1.97(c), but on or before the date of payment of the issue fee.

The Certification Statement in Item 5 below is applicable.

The \$180.00 fee set forth in 37 C.F.R. §1.17(p) is:

- ☐ enclosed.
- ☐ to be charged to Jones Day Deposit Account No. 50-3013

5. ☐ Certification Statement (applicable if Item 3a or Item 4 is checked)

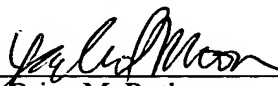
*(Check either Item 5a or 5b)*

- 5a. ☐ In accordance with 37 C.F.R. §1.97(e)(1), it is certified that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.
- 5b. ☐ Each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart application, and the communication was not **received** by any individual designated in 37 C.F.R. §1.56(c) more than thirty days prior to the filing of this information disclosure statement.

- 5c. ☐ Pursuant to 37 C.F.R. §1.704(d), each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart application, and the communication was not **received** by any individual designated in 37 C.F.R. §1.56(c) more than thirty days prior to the filing of this information disclosure statement.
6. ☐ This application is a continuation application under 37 C.F.R. §1.60 or §1.53(b) or (d).
- (Check appropriate Items 6a, 6b and/or 6c)*
- 6a. ☐ A Petition to Withdraw from issue under 37 C.F.R. §1.313(b)(5) is concurrently filed herewith.
- 6b. ☐ Copies of publications listed on Form PTO-1449 from prior application Serial No. , filed on , of which this application claims priority under 35 U.S.C. §120, are not being submitted pursuant to 37 C.F.R. §1.98(d).
- 6c. ☐ Copies of the publications listed on Form PTO-1449 were not previously cited in prior application Serial No. , filed on , and are provided herewith.
7. ☐ This is a Supplemental Information Disclosure Statement. (Check Item 7a)
- 7a. ☐ This Supplemental Information Disclosure Statement under 37 C.F.R. §1.97(f) supplements the Information Disclosure Statement filed on . A bona fide attempt was made to comply with 37 C.F.R. §1.98, but inadvertent omissions were made. These omissions have been corrected herein. Accordingly, additional time is requested so that this Supplemental Information Disclosure Statement can be considered as if properly filed on .
8. ☒ The Commissioner is authorized to charge any additional fee required or credit any overpayment for this Information Disclosure Statement and/or Petition to Jones Day Deposit Account No. 50-3013.
9. ☒ No admission is made that the information cited in this Statement is, or is considered to be, material to patentability nor a representation that a search has been made (other than a search report of a foreign counterpart application or PCT International Search Report if submitted herewith). 37 C.F.R. §§1.97(g) and (h).

Respectfully submitted,

Date: January 31, 2005

  
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 By: Yeah-Sil Moon 52,042  
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**LIST OF REFERENCES CITED BY APPLICANT**  
(Use several sheets if necessary)

ATTY DOCKET NO.

11281-065-999

APPLICATION NO.

To be assigned

APPLICANT

CHUN et al.

FILING DATE

January 31, 2005

GROUP

To be assigned

**U.S. PATENT DOCUMENTS**

| *EXAMINER<br>INITIAL |     | DOCUMENT NUMBER | DATE       | NAME                     | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|----------------------|-----|-----------------|------------|--------------------------|-------|----------|-------------------------------|
|                      | A01 | 6,308,509 B1    | 10/30/2001 | Frank L. Scardino et al. | 57    | 402      |                               |
|                      | A02 | 5,227,172 A     | 07/13/1993 | William E. Deeds         | 425   | 72.2     |                               |
|                      | A03 |                 |            |                          |       |          |                               |
|                      | A04 |                 |            |                          |       |          |                               |
|                      | A05 |                 |            |                          |       |          |                               |
|                      | A06 |                 |            |                          |       |          |                               |
|                      | A07 |                 |            |                          |       |          |                               |
|                      | A08 |                 |            |                          |       |          |                               |
|                      | A09 |                 |            |                          |       |          |                               |

**FOREIGN PATENT DOCUMENTS**

|  |     | DOCUMENT NUMBER  | DATE       | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|--|-----|------------------|------------|---------|-------|----------|-------------|----|
|  |     |                  |            |         |       |          | YES         | NO |
|  | B01 | KR2002-0093178 A | 12/16/2002 | Korea   |       |          | X           |    |
|  | B02 | JP 1991-161502 A | 07/11/1991 | Japan   |       |          | X           |    |
|  | B03 |                  |            |         |       |          |             |    |
|  | B04 |                  |            |         |       |          |             |    |
|  | B05 |                  |            |         |       |          |             |    |

**OTHER REFERENCES** (Including Author, Title, Date, Pertinent Pages, Etc.)

|  |     |  |
|--|-----|--|
|  | C01 |  |
|  | C02 |  |
|  | C03 |  |

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.